ORIGINAL
(Red

R-585-2-8-48

SITE INSPECTION OF
ST. REGIS PAPER COMPANY - HAZLETON
PREPARED UNDER

TDD NO. F3-8706-27
EPA NO. PA-529
CONTRACT NO. 68-01-7346

FOR THE

HAZARDOUS SITE CONTROL DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

AUGUST 9, 1988

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY	REVIEWED BY	APPROVED BY
(b) (4)		
AGRICULTURAL ENGINEER	ENVIRONMENTAL SCIENTIST	REGIONAL OPERATIONS MANAGER, FIT 3

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APPENDICES

SECTION 1

1.0 INTRODUCTION

1.1 Authorization

NUS Corporation performed this work under Environmental Protection Agency Contract No. 68-01-7346. This specific report was prepared in accordance with Technical Directive Document No. F3-8706-27 for the St. Regis Paper Company - Hazleton site, located in West Hazleton, Luzerne County, Pennsylvania.

1.2 Scope of Work

NUS FIT 3 was tasked to perform a site inspection of the subject site.

1.3 Summary

The St. Regis Paper Company - Hazleton site is a 12-acre manufacturing facility located in West Hazleton, Luzerne County, Pennsylvania. The company is currently operated by the Princeton Packaging Company. The facility produces and prints flexible polyethylene product packaging material, which is sold to other product manufacturers. Princeton Packaging, Incorporated operates as a RCRA-regulated (PAD043875434) hazardous waste generator. The printing process used by the company generates waste printing ink and cleaning solvents.

Princeton Packaging was formerly a division of the St. Regis Paper Company. From approximately 1966 until 1972, the facility's waste printing inks and solvents were placed in 2 six- by seven- by 1-1/2-foot pits at the western edge of the property and ignited. Up to twenty-five 55-gallon drums per week were disposed in this manner. The practice was halted in 1972 and the burn pits were excavated by the St. Regis Paper Company to an unknown, but presumably shallow, depth. The excavated material was removed to the nearby Sugarloaf Landfill. The excavated area was backfilled with locally obtained soils, leaving little visible evidence of the burn pits. It is possible that residual contamination that could migrate into the area's groundwater remains on the site even after the unregulated, company-initiated removal action.

NUS FIT 3 conducted a site inspection of the St. Regis Paper Company - Hazleton site on July 29, 1987. Groundwater, surface water, sediment, and soil samples were collected. The sample results revealed the presence of low concentrations of lead in all wells sampled. One home well that was sampled was found to contain 24.5 ug/l of lead, which is in excess of the Maximum Contaminant Level Goal (MCLG) of 20 ug/l. Additionally, trace levels of 1,1,1-trichloroethane (1,1,1,-TCEA) were revealed in an on-site deep well and a water authority reserve well.

High concentrations of lead, chromium, antimony, copper, cadmium, and cyanide were revealed in isolated soil samples, particularly in the former burn pit area. Several organic chemicals, including bis(2-ethylhexyl) phthalate, a probable human carcinogen, were detected in on-site soils. Lead, zinc, silver, cyanide, iron, and copper were found at levels exceeding the criteria for the protection of freshwater aquatic life in the downstream sample from Black Creek. For the Quality Assurance Review and Toxicological Evaluation of the data, please refer to sections 7.0 and 8.0, respectively.

SECTION 2

2.0 THE SITE

2.1 Location

The St. Regis Paper Company - Hazleton site is located approximately 3,000 feet southwest of the intersection of Interstate 81 and Pennsylvania Route 93, in the Valmont Industrial Park in West Hazleton, Luzerne County, Pennsylvania (see figure 2.1, page 2-2). The site can be located on the Conyngham, Pennsylvania United States Geological Survey (U.S.G.S.) 7.5 minute series topographic map at 40° 58' 28" west latitude and 76° 1' 27" north longitude, which is 4-1/2 inches south and 3-1/2 inches west from the northwestern corner of the quadrangle.[1]

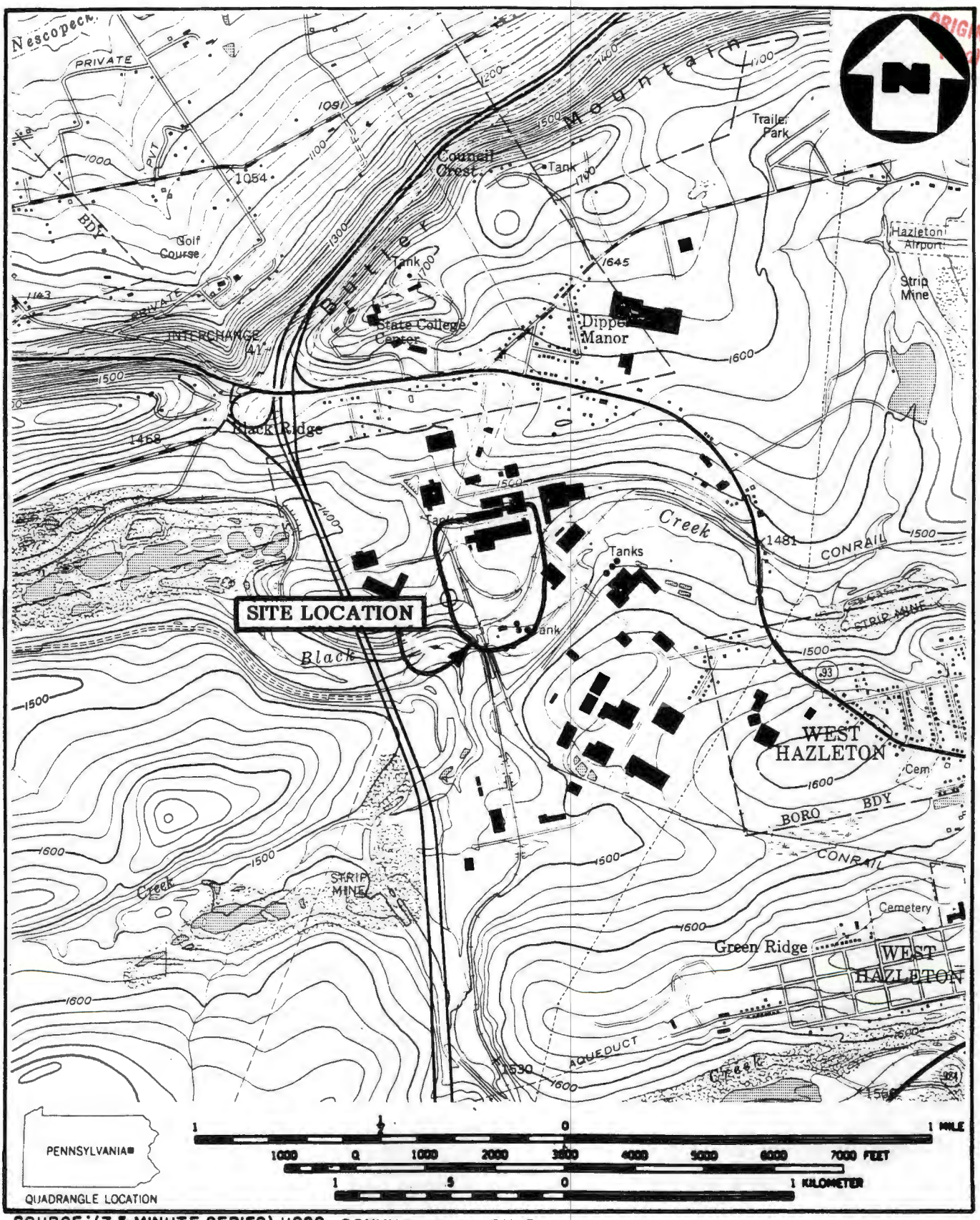
2.2 Site Layout

The subject site is approximately 12 acres in size and is mostly level. The northern portion of the property is covered by a large production building and asphalt parking areas. The southern area of the site is largely open and is crossed by railroad sidings. The facility is fully fenced and attended by 24-hour security guards.[2]

Two small areas on the western edge of the site were used between 1966 and 1972 as burn pits for ink and solvent wastes, resulting from the facility's printing operation. These pits were located near the southwestern corner of the asphalt parking area, one to the immediate west and the second south of the southwestern corner. These areas were excavated and filled with locally obtained soil, leaving only faint visible traces of their locations. Currently, a concrete drum storage pad is located in proximity to the former location of the southernmost burn pit. Drainage from the former burn pit area tends toward a storm sewer located approximately 100 feet east of the southwestern corner of the parking lot. This storm sewer outfalls into Black Creek, approximately 1,500 feet south of the site.[2,3]

Several small areas covered by dried paint sludge-type material are located to the southeast of the burn pit area in a narrow strip of land bordered by a railsiding to the east and the facility's western fence line.[2]

The Princeton Packaging Company production well, which is occasionally used for drinking water, is located in the production facility and is approximately 300 feet east of the burn pit area. This well lies in the same topographic plane as the burn pit area.



SOURCE: (7.5 MINUTE SERIES) USGS CONYNGHAM, PA. QUAD.

SITE LOCATION MAP

ST. REGIS PAPER, HAZLETON, PA.

SCALE 1:24000

FIGURE 2.1

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A Halliburton Company

A portion of the northwestern corner of the facility's paved area is used for the storage of empty drums generated during their manufacturing processes. This area is immediately west of the company's heating fuel and lubricating storage tanks (see figure 2.2, page 2-4).[2,3]

2.3 Ownership History

The subject site has been owned and operated as the Princeton Packaging Company, Incorporated, a private firm, since October 1984. Prior to this date, and beginning in 1966, the facility operated as the Princeton Flexible Packaging Division of the St. Regis Paper Company. The facility was owned and operated by Highway Trailer, a truck trailer manufacturer, prior to its purchase in 1966 by the St. Regis Paper Company.[3,4]

2.4 Site Use History

The site has operated since 1966 as a manufacturing facility for flexible packaging products. Polyethylene plastic pellets are processed into rolls of polyethylene sheets. The plastic sheets are then printed with ink and formed into rolls of printed plastic bags. These rolls are sold to various customers, such as processed food manufacturers, for use in product packaging.[2,3,4]

The manufacturing operation results in a waste stream that includes waste inks and printing press cleaning products. From 1966 until 1972, this waste was poured into two small, unlined pits on the property (seven by six by 1-1/2 feet) and burned. Up to twenty-five 55-gallon drums of waste per week were disposed in this manner. In 1972, this practice was halted. The burn pits were excavated and the contaminated soil was removed to the nearby Sugarloaf Landfill. The depth of the excavation is not known. But, according to Charles Kersey, of Princeton Packaging, the depth is less than four feet. Locally obtained dirt fill material was placed in the excavated areas.[3,4]

Currently, 2,500 gallons of waste are generated by the facility every 3 months. Wastes are drummed and stored on a concrete pad near the former burn pit area. The waste material is hauled by a New Jersey firm, Sand W. Waste, Incorporated. The Princeton Packaging facility is a RCRA- and state-regulated hazardous waste generator (EPA ID No. PAD043875434).[3]

Prior to 1966, the facility was used for the manufacture and painting of truck trailers by Highway Trailer. The company's dates of operation and methods of waste disposal are not known.[3]

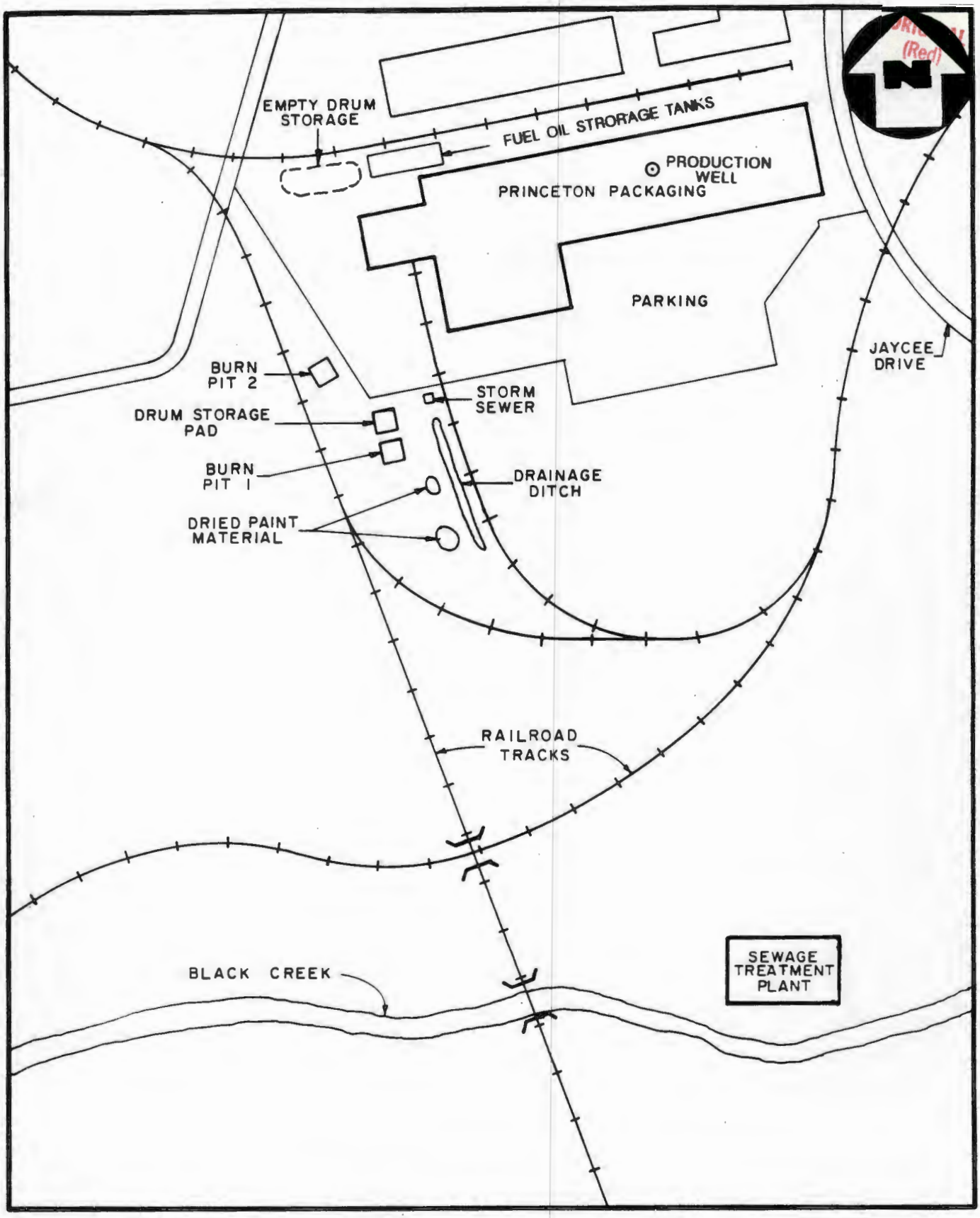

FIGURE 2.2

SITE SKETCH

ST. REGIS PAPER, HAZLETON, PA.

(NO SCALE)

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2.5 Permit and Regulatory Action History

The Princeton Packaging facility operates as a RCRA-regulated (EPA Permit No. PAD043875434) hazardous waste generator.[2,3,4]

2.6 Remedial Action to Date

To date, the site has not been the subject of any remedial action mandated by PA DER or EPA. The St. Regis Paper Company initiated its own excavation of contaminated soils in 1972, although this was not at the request of any regulatory agency.[3,4]

SECTION 3

ORIGINAL (Red)

3.0 ENVIRONMENTAL SETTING

3.1 Water Supply

The Hazleton Water Authority (HWA) supplies the site and the majority of water users within a three-mile radius of the site, predominantly in the southern and eastern portions of the study area. The HWA system relies on surface water sources and groundwater wells located throughout the Hazleton region and services approximately 40,000 persons.[5]

Barnes Run is the only surface water source for the HWA system within the study area; it is located 2-1/2 miles southwest of the site. Water obtained from Barnes Run is pumped into the Humboldt Reservoir, (b) (9) [redacted] The daily average withdrawal from Barnes Run is 1.5 million gallons per day (mgd). Barnes Run does not receive drainage from the site.[5,6]

The HWA maintains 2 wells for emergency purposes, located approximately (b) (9) [redacted] t of the site. These wells, known as the 'Can-Do' wells, are both 400 feet deep and are developed in the Mauch Chunk Formation and the Pottsville Group. The wells are topographically upslope.[6,7]

The Conyngham Water Company (CWC) supplies the borough of Conyngham, two miles northwest of the site, and residences west of the borough boundary with municipal water. The company obtains water from its well field located two miles northwest of the site, near Pennsylvania Route 93. CWC operates 4 wells that range from 230 to 267 feet deep, and is in the process of completing a fifth 400-foot supply well. These wells are all developed in the Mauch Chunk Formation. CWC also receives water from a tunnel bored into Sugarloaf Mountain, located one mile northwest of the site. The system is fully integrated. Approximately 2,400 persons are served by CWC.[8,9]

Area residents living within the HWA supply district, but not connected to the municipal supply, obtain their water from private wells. Residents of the town of Hollywood, (b) (9) [redacted] st of the site, the Chapel Hill Development, (b) (9) [redacted], and some residents in (b) (9) [redacted] utilize domestic wells for potable supply. Wells in the Chapel Hill development range from 160 to 592 feet in depth. The towns in the northern portion of the study area, Kislyn and Drums, both (b) (9) [redacted] from the site, are supplied by private wells.[7,10,11]

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The nearest known home well is located approximately (b) (9) t of the site. The well is [redacted]0 feet deep; the depth to groundwater is unknown. Princeton Packaging, Incorporated maintains a production/drinking water well that is (b) (9) This well is interconnected with the municipal supply [redacted]

Domestic wells within the (b)(b) (9) study area range from 98 to 307 feet deep (see appendix C). The well yields from the wells range from 3 to 75 gallons per minute (gpm). The static water levels in these wells range from (b) (9) below the surface. These wells produce from the Mauch Chunk Formation and the Pottsville Group.[13]

The total population that relies on groundwater as a drinking water source within the study area is approximately 26,473. Approximately 2,000 persons within the study area rely on private domestic supply for their water needs. The remaining residents rely either on a municipal supply using groundwater sources or municipal system using an interconnected groundwater and surface water supply.[1,4,5,8,11]

3.2 Surface Waters

The westward-flowing Black Creek is located approximately 1,500 feet south of the subject site. According to Charles Kersey, of Princeton Packaging, storm sewers on the company's property outfall into the creek. A sewage treatment facility, operated by the city of Hazleton, is located on the northern bank of the creek, due south of the Princeton Packaging facility. Humboldt Reservoir, located three miles southwest of the site, is drained by the northward-flowing Stony Creek. Stony Creek outfalls into Black Creek approximately 2,000 feet southwest of the site. Many creeks in the region are affected by acid mine drainage from the area's coal mining industry, which utilizes both subsurface and strip mining techniques. Black Creek is listed as a cold-water fishery in Luzerne County.[1,2]

3.3 Hydrogeology

The geologic and hydrogeologic conditions in the study area were researched as part of the site inspection. A preliminary literature review was conducted to determine surface and subsurface geologic conditions, soil character, and the status of groundwater transport and storage.

3.3.1 Geology

The site is located in the Appalachian Mountain Section of the Valley and Ridge Physiographic Province. Geologically, this is a region of alternating hard and soft sedimentary rocks, which have been bent by lateral compression from the southeast into folds whose axes trend generally to the northeast. Topographically, the region is characterized by a series of parallel valleys and ridges. Structurally, the site is situated near the axis of a broad syncline that has a series of smaller folds and faults superimposed on it (see figure 3.1, page 3-4).[14,15,16,17]

The Pennsylvanian age Pottsville Group underlies the site. The Pottsville is composed chiefly of hard coarse quartz conglomerate, white gray sandstone, brown sandstone, and a few thin seams of coal. The Pottsville Group includes three formations (in descending order): the Sharp Mountain Formation, the Schuylkill Formation, and the Tumbling Run Formation.[16,18]

The Pennsylvanian age Llewellyn Formation stratigraphically overlies the Pottsville Group and crops out approximately one mile southeast of the site. The Llewellyn Formation is composed of interbedded sandstone, siltstone, and conglomerate containing beds of shale, fire clay, slate, and coal. The sandstone and conglomerate are well-cemented but highly fractured.[16,18]

Underlying the Pottsville is the Mississippian age Mauch Chunk Formation, which crops out approximately 0.3 mile southwest of the site. The Mauch Chunk consists of red and greenish-gray shale and red and green sandstone. The red shale and sandstone constitute the greater part of the formation in the area of the site.[16]

3.3.2 Soils

The site is underlain by the land mapped as cut and fill. This material is not classified as a soil series but rather a land type composed of undifferentiated soils.[19]

3.3.3 Groundwater

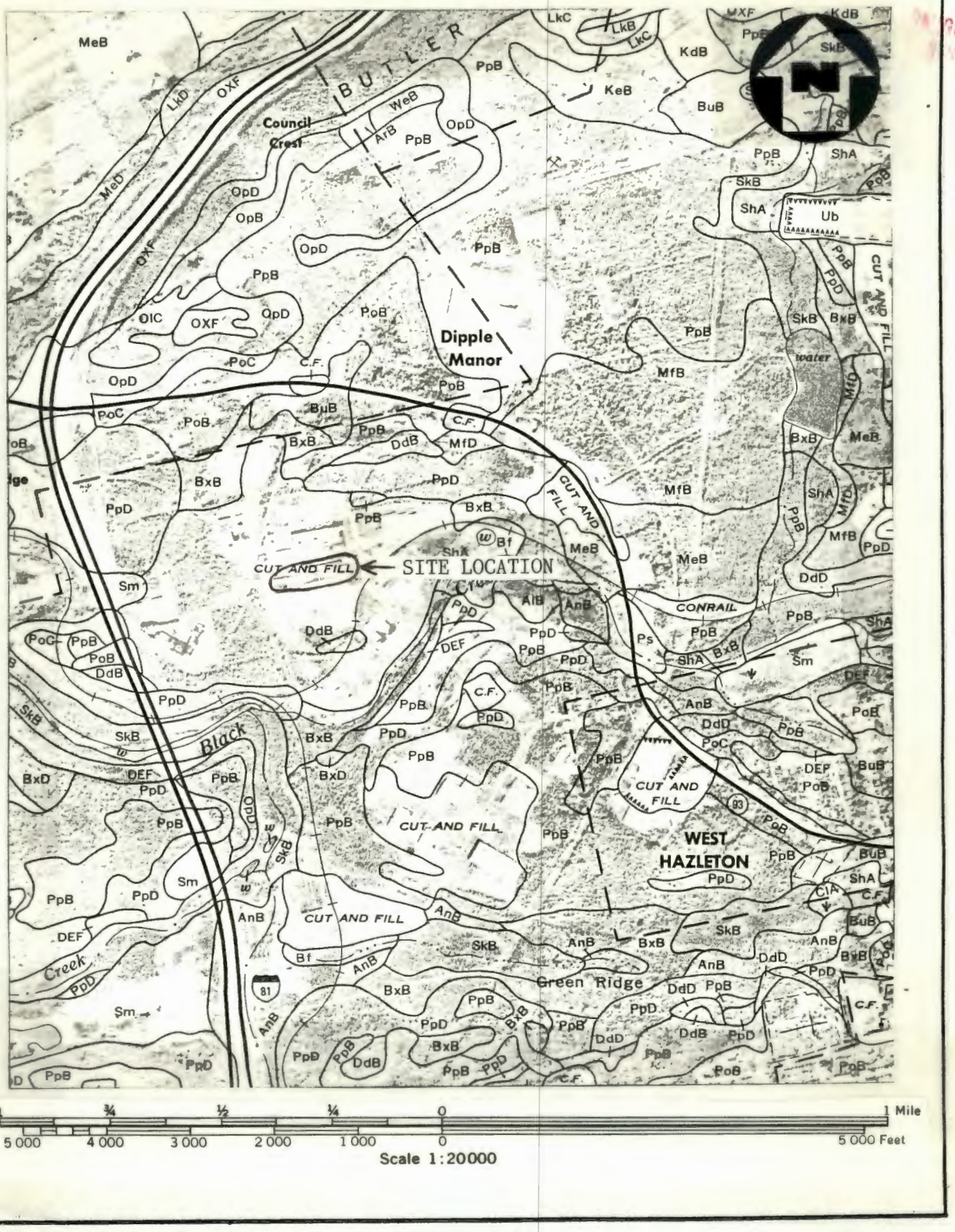
The Pottsville Group is the uppermost aquifer underlying the site. It is believed to be hydraulically interconnected with the adjoining bedrock units by a network of fractures. In the Pottsville Group, groundwater storage and movement occur in both primary porosity and secondary porosity (due to jointing). Many wells drilled in the Pottsville are artesian. Well yields range from 5 gallons per minute (gpm) to more than 150 gpm, with a median yield of 50 gpm. A well located approximately 3/4 mile west of the site was drilled to a depth of 80 feet in the Pottsville and produced at a rate of 50 gpm.[16,18]

SOURCE: ATLAS OF PRELIMINARY GEOLOGIC QUADRANGLE MAPS OF PA.

FIGURE 3.1

ST. REGIS PAPER CO.
GEOLOGIC MAP

NUS CORPORATION
A Halliburton Company



SOURCE: SOIL SURVEY OF LUZERNE COUNTY, PENNSYLVANIA

FIGURE 3.2

ST. REGIS PAPER CO.
SOIL MAP

NUS CORPORATION
A Halliburton Company

Primary and secondary porosity are present in the Llewellyn Formation with the total effective porosity being moderate. The Llewellyn contains a considerable quantity of water. However, in the coal basin, much of this water drains into the mines, becomes contaminated with acid, and is pumped out of the mines. The mining operations have lowered the water table in the formation. There is very little potable water available from the Llewellyn due to the drainage and contamination problems. Yields of potable water wells in the Llewellyn range from 2 to 50 gpm.[16,18]

The Mauch Chunk Formation has been extensively developed for water supply. Low to moderate primary porosity is present in the sandstone and siltstone, while joints provide abundant secondary porosity in shale, sandstone, and siltstone. Wells drilled into the formation in the coal basin may have enough artesian pressure to flow at the surface. The highest yields are reported for wells that tap the beds of sandstone in the Mauch Chunk. Well yields range from less than 5 to 250 gpm.[16,18]

The expected direction of groundwater flow is to the southeast toward Black Creek. There are no documented barriers to groundwater flow in the study area.

3.4 Climate and Meteorology

The climate of Hazleton, Pennsylvania is classified as moderate continental. The yearly average temperature is 49.5°F, with a summer mean temperature of 69.8°F, and a winter mean temperature of 28.0°F. The annual precipitation averages 36.59 inches, coupled with a mean annual lake evaporation rate of 32 inches, for a net annual precipitation rate of 4.59 inches. Snowfall averages 50.1 inches per year, and a 1-year, 24-hour rainfall can bring 3.80 inches of rain.[21]

3.5 Land Use

Land use within a one-mile radius of the site is primarily industrial. The urbanized city of Hazleton begins one mile southeast of the St. Regis Paper site. Large areas of strip mined land are located west and south of the site. The residential town of Conyngham is two miles northwest of the site. Areas to the north of Princeton Packaging are largely mountainous and sparsely populated.[1,2]

3.6 Population Distribution

The St. Regis Paper Company site is located northwest of the city of Hazleton. Within a 1-, 2-, and 3-mile radius of the site, the populations are estimated to be 635, 8,482, and 26,473, respectively. The population estimates for the area were made by using 1980 census information, and a house count multiplied by 3.8 persons per house from U.S.G.S. topographic maps.[1,2,22]

3.7 Critical Environments

There are no endangered species or critical environments within a three-mile radius of the St. Regis Paper Company site.[23]

4.0 WASTE TYPES AND QUANTITIES

According to information provided by Princeton Packaging Company, the primary waste materials deposited on the site were waste printing inks and printing press cleaning solvents. From approximately 1966 until 1972, up to 25 drums per week of this material were placed into 2 burn pits at the rear of the property and ignited.[3]

This practice ceased in 1972. The 2 burn pits, approximately seven by six by 1.5 feet in size, were excavated, and the material was removed to the nearby Sugarloaf Landfill. The depth of the excavation is unknown but is believed to be shallow. The pits resulting from the excavation were filled with locally obtained dirt, leveled, and graded. No hazardous wastes have been deposited on the site since 1972.[3,4]

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5.0 FIELD TRIP REPORT

5.1 Summary

On Wednesday, July 29, 1987, NUS FIT 3 staff members Randy Patarcity, Charles Salomon, Lisa Lillis, Scott Britt, and Matthew Noblet visited the St. Regis Paper Company - Hazleton site in West Hazleton, Luzerne County, Pennsylvania. The purpose of the visit was to conduct a site investigation.

The weather at the time of the inspection was sunny, 85°F, with a light breeze. Samples collected included 8 aqueous and 12 solid samples, including duplicates and blanks (see figure 5.1, page 5-3). Photographs were taken on site (see figure 5.3, page 5-7, and the photograph log, section 5.5).

5.2 Persons Contacted

5.2.1 Prior to Field Trip

Charles Kersey
Safety Director
Princeton Packaging, Incorporated
Jaycee Drive
Valmont Industrial Park
West Hazleton, PA 18201
(717) 455-7741

Peter Kho
U.S. EPA
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, PA 19107
(215) 597-8541

5.2.2 At the Site

Charles Kersey
Safety Director
Princeton Packaging, Incorporated
Jaycee Drive
Valmont Industrial Park
West Hazleton, PA 18201
(717) 455-7741

5.2.3 Water Supply Well Information

The following wells were sampled during the site inspection. For the locations of these wells, see figure 5.1 (page 5-3). (b) (9) [redacted] back-up municipal supply well are topographically upslope. The Princeton Packaging production well is at the same elevation as the burn pit at the western edge of the site. Completed well questionnaires for (b) [redacted] are located in appendix C.

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5.2.3 Water Supply Well Information (continued)

(b) (6)
[redacted]
4
Drinking water
(b) (9)

(b) (9)
[redacted]
Water Authority
(b) (9)
[redacted]
Municipal water supply emergency
Back-up well

(b) (6)
[redacted]
Drinking water
(b)
(b) (9)
[redacted]
Production and drinking water

TDD Number F3-8706-27
EPA Number PA-529

5.3 **SAMPLE LOG**

Site Name St Regis Paper - McCleary

TRAFFIC REPORTS Organic	Inorganic	High Hazard	SAMPLING LOCATION	PHASE	SAMPLE DESCRIPTION	DATE	TIME	pH	COMMENTS/OBSERVATIONS	LABORATORY
CK146	MCJ551		On-site well	Aq	Princeton Park. Well	7/29/87	11:50			Versar
CK147	MCJ552		(b) (6)			"	14:50			Organics
CK148	MCJ553					"	14:50		Duplicate HW-1	
CK149	MCJ554					"	15:15			Chemtech
CK150	MCJ555		Condo Well	Aq	Condo Municipal Well		15:50			Inorganics
CK151	MCJ556		Upstream Black Cr	Aq	Black Creek Upstream		14:30			
CK152	MCJ557		Downstream Black Cr	Aq	Black Creek Downstream		12:15		Matrix	
CK153	MCJ558		Blank Aq	Aq	Aqueous Blank		11:45			
CK157	MCJ562		Drum Storage Pad	Sol	Drum Storage Pad Auger		12:25		2 Ft south of pad To 1 Ft HNU 10ppm	
CK160	MCJ565		Burn Pit 1-A	Sol	Burn Pit 17' S. of Drum Pad		15:20		Matrix 10ppm 2' HNU 10ppm	
CK161	MCJ566		Burn Pit 2-A	Sol	Burn Pit 20' NW Parking Lot		14:30		to 2½' 9.5 ppm	
CK162	MCJ567		Surface Soil 1-Dup	Sol	Bluish-Paint Matl Soil		13:35		Duplicate Surf Soil-1	
CK163	MCJ568		Black Cr. Upstream Sed	Sol	Black Cr. Upstream Sed		14:30			
CK164	MCJ569		Black Cr Downstream Sed	Sol	Black Cr. Downstream Sed		12:15			
CK165	MCJ570		Drainage Ditch	Sol	Drainage Ditch		14:30			
CK167	—		Blank Solid	Sol	Solid Blank		11:50			
CK168	MCJ572		Background	Sol	Background Soil		13:45			
CK169	MCJ574		Drum Pad B	Sol	Burn Pit 12' SOF Drum Pad		12:25		12' south of pad to 2½ HNU 100 ppm	
CK170	MCJ575		Storm Sewer-1	Sol	Storm Sewer NE Corner Burn Pits		14:50			
CK171	MCJ576		Surface Soil-1	Sol	Bluish Paint Matl Soil		13:35			

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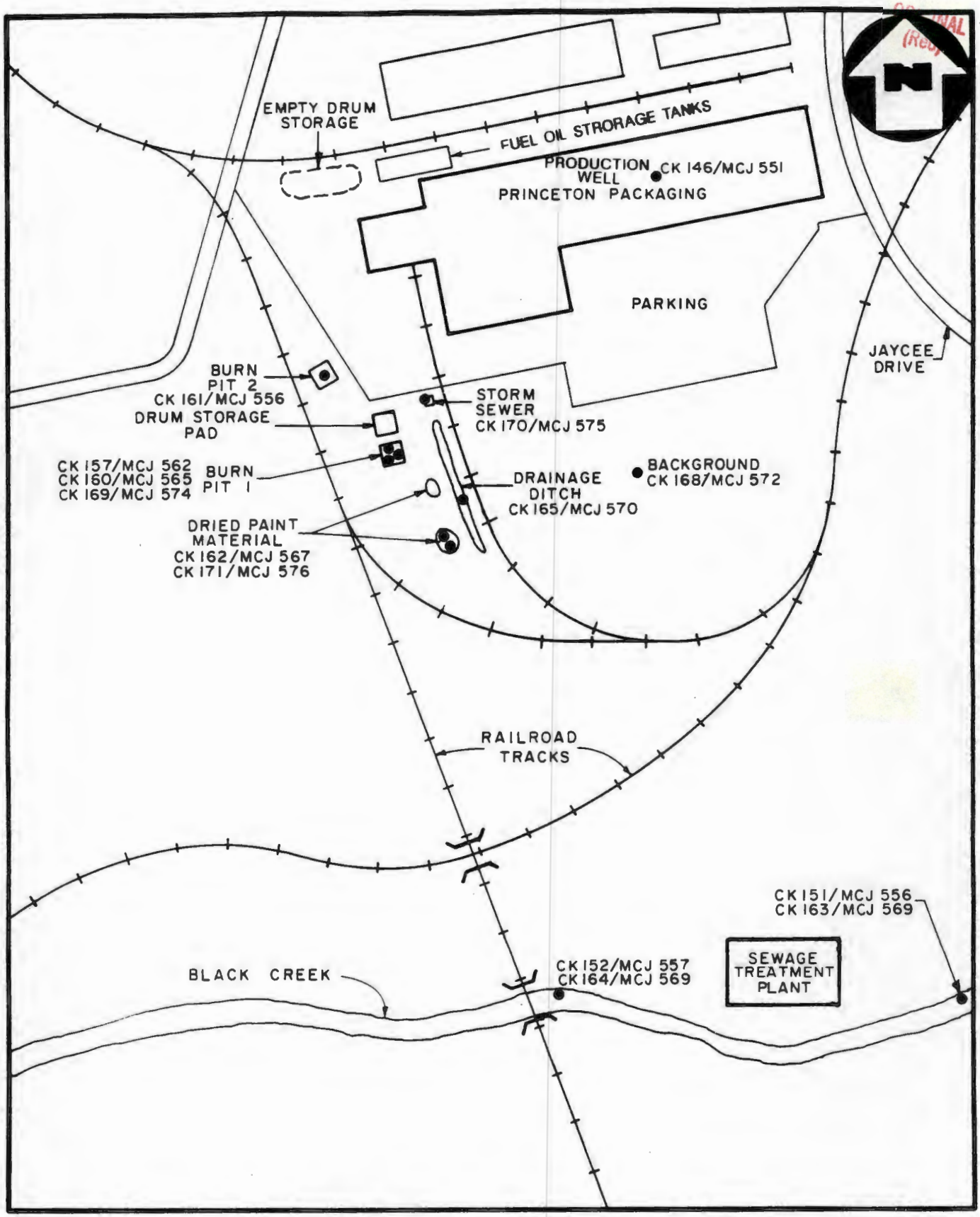


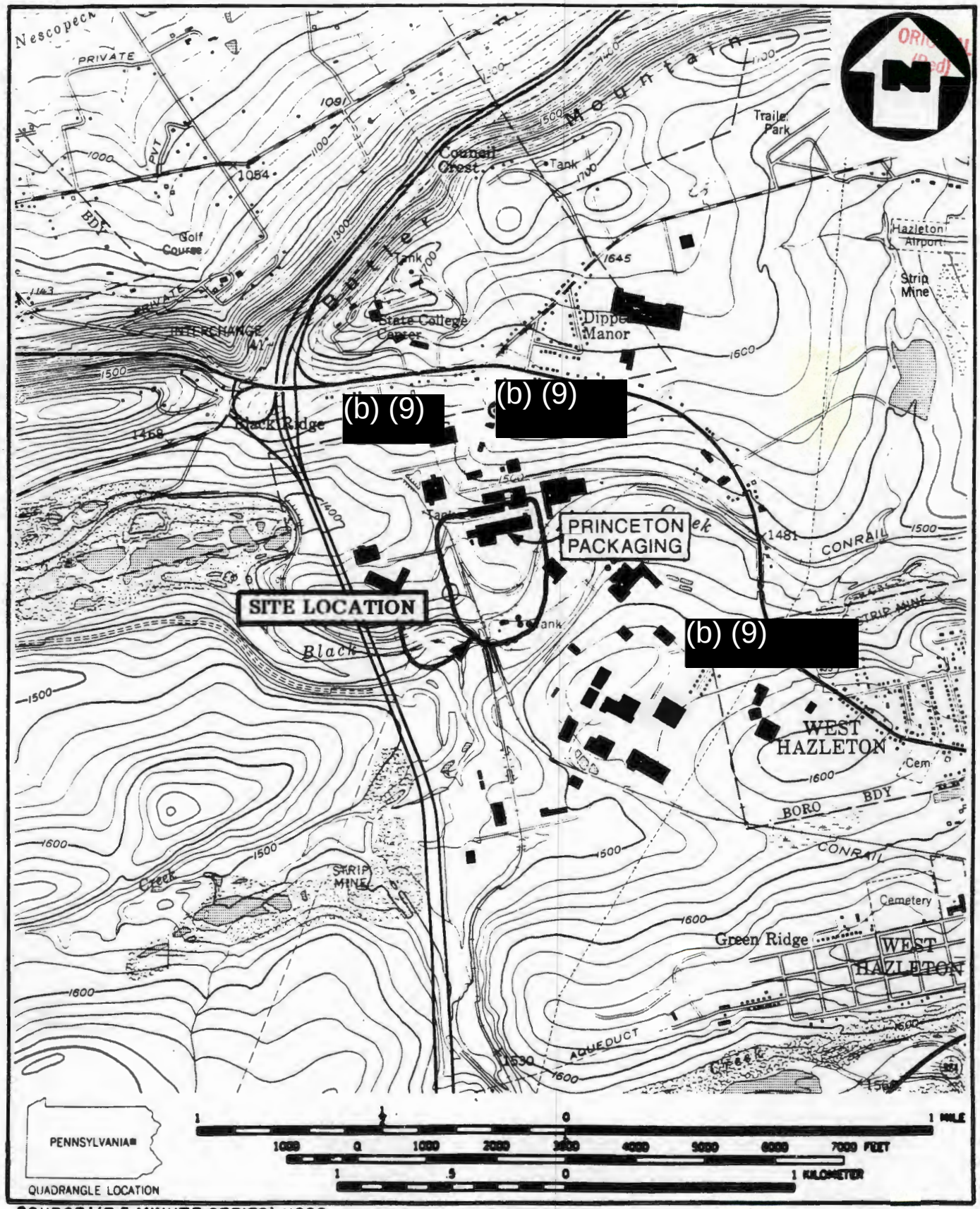
FIGURE 5.1

SAMPLE LOCATION MAP

ST. REGIS PAPER, HAZLETON, PA.

(NO SCALE)

NUS CORPORATION



SOURCE: (7.5 MINUTE SERIES) USGS CONYNGHAM, PA. QUAD.

WELL SAMPLE LOCATIONS

ST. REGIS PAPER, HAZLETON, PA.

SCALE 1:24000

FIGURE 5.2

NUS CORPORATION

A Halliburton Company

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5.4 Site Observations

- The HNU background reading was 0.2 ppm.
- The radiation mini-alert was set at the X1 position. No readings above background were recorded.
- The site was fenced and guarded.
- The site slope is mild toward the north. Drainage from the solvent burn pit area tends toward two storm sewers in the facility's parking lot. These storm sewers outfall into Black Creek.
- A sewage treatment plant for the city of Hazleton exists approximately 2,000 feet south of the site. This facility outfalls into Black Creek upstream of the ConRail Railroad overpass of Black Creek. Samples were collected upstream and downstream of the plant.
- The exact locations of the burn pits were not certain. The original pits were excavated in 1972 and the area was filled. The fill material on the site was very rocky, making it difficult to obtain auger samples.
- The drum storage pad on the site contained 46 drums. All drums were marked as hazardous waste and properly dated. These contained waste printing ink and alcohol-based solvents.
- The following auger samples were obtained:
  - Two feet south of drum pad; refusal at one foot; brown soil; HNU reading of 10 ppm.
  - Twelve feet south of drum pad; refusal at 2-1/2 feet; red clay to two feet; blackened paint-like material from 2 feet to 2-1/2 feet; HNU reading 100 ppm; believed to be the actual location of one of the two burn pits.
  - Seventeen feet south of drum pad; refusal at two feet; red clay to 1-1/2 feet; blackened paint-like material from 1-1/2 to 2 feet; HNU reading 10 ppm.

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- Twenty feet northwest of parking lot southwestern corner; refusal at 2-1/2 feet; red clay to two feet; brownish clay from 2-1/2 feet; HNU reading 9.5 ppm; believed to be second burn pit location.

- Two areas of bluish-dried paint-like material were observed beneath the power lines approximately 150 to 250 feet, respectively, south of the parking lot.

- A drainage ditch located between a railroad spur and the burn pit area drains northward into a storm sewer at the northeastern corner of the burn pit area.

- Empty drums used in production were stored at the northwestern corner of the asphalt parking lot. Drums were marked as follows: "Toluene," "Heptane," "Fluidis-130," "Premco 46," and "Ethyl Acetate."

- The following well samples were obtained:

  - The Princeton Packaging Company well is drilled to 538 feet. Its pump is placed at 462 feet. Average hourly usage rate is 300 gallons per hour. The water is used for both production and drinking purposes.

  - The Cando municipal well, owned by the Hazleton Water Authority, is located .3 mile north of the site. This well is drilled to 400 feet. This well is no longer in service. It is topographically upslope.

  - (b) (6) drilled to 108 feet; standing water 82 feet; (b) (6) It is topographically upslope.

  - (b) (6) drilled to 120 feet; pump located at 100-foot depth; located (b) (6) It is topographically upslope.

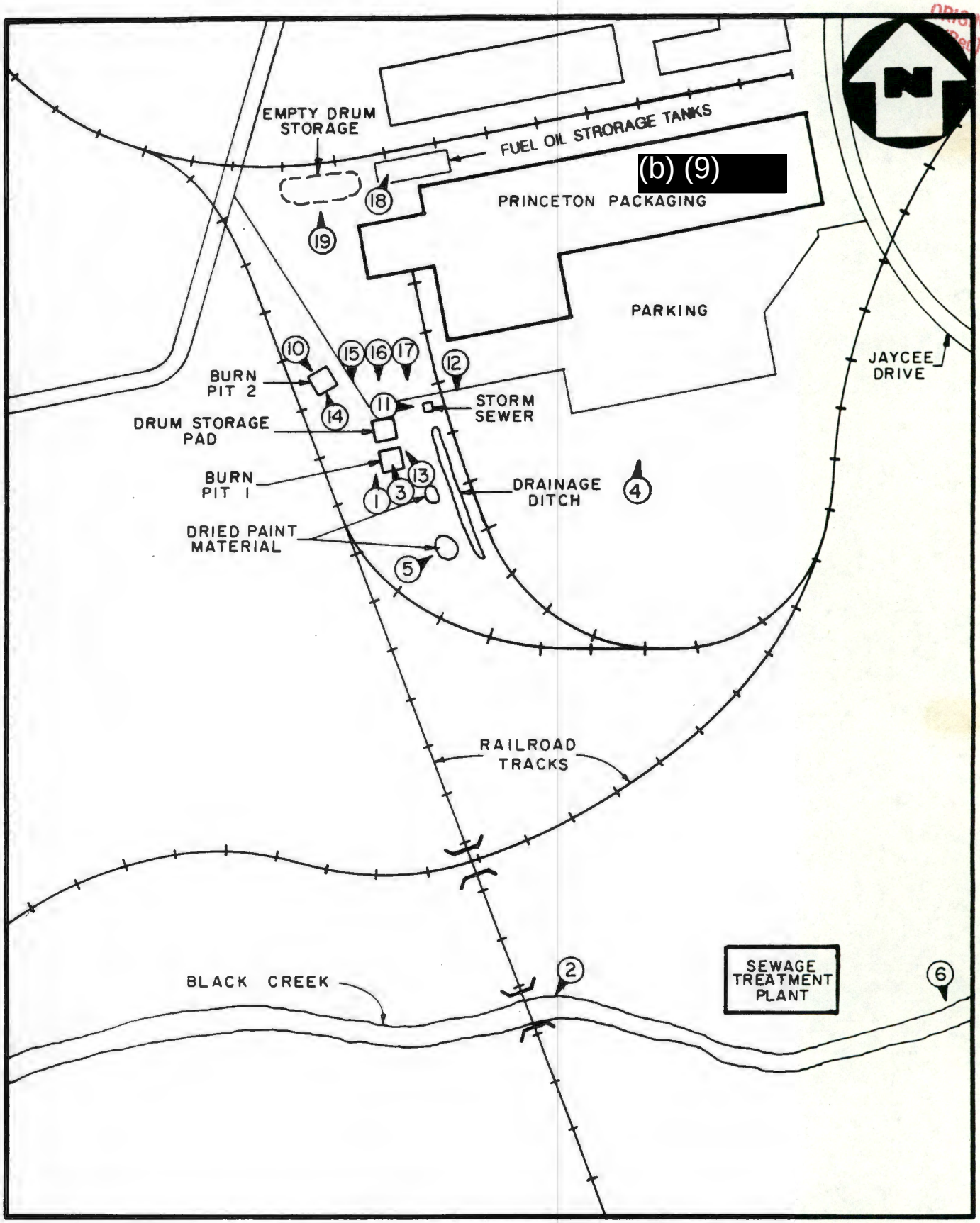

FIGURE 5.3

PHOTO LOCATION MAP

ST. REGIS PAPER, HAZLETON, PA.

(NO SCALE)

NUS CORPORATION

ORIGINAL (Red)

F3-8706-27

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
St. Regis Paper Co.- Hazleton	Jaycee Dr.-Valmont Industrial Park

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST
West Hazleton	PA	18201	Luzerne	079	PA11

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
40° 58' 28".	76° 01' 27".	[X] A. PRIVATE [ ] B. FEDERAL _____ [ ] C. STATE [ ] D. COUNTY [ ] E. MUNICIPAL [ ] F. OTHER _____ [ ] G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
7/29/87	[X] ACTIVE [ ] INACTIVE	1966 BEGINNING YEAR — 1972 ENDING YEAR — ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

[ ] A. EPA [X] B. EPA CONTRACTOR NUS Corporation (Name of firm) [ ] C. MUNICIPAL [ ] D. MUNICIPAL CONTRACTOR _____ (Name of firm)

[ ] E. STATE [ ] F. STATE CONTRACTOR _____ (Name of firm) [ ] G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
(b) [redacted]	Agricultural Engineer	NUS Corporation	(215) 687-9510
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
(b) [redacted]	Geologist	NUS Corporation	(215) 687-9510
[redacted]	Environmental Scientist	NUS Corporation	(215) 687-9510
(b) (4) [redacted]	Geologist	NUS Corporation	(215) 687-9510
(b) [redacted]	Environmental Scientist	NUS Corporation	(215) 687-9510

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
Charles Kersey	Saftey Director	Princeton Packaging, Inc.	(717) 455-7741
		Jaycee Dr. Valmont Ind. Park	
		West Hazleton, PA 18201	

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
[X] PERMISSION [ ] WARRANT	10:15 AM	Sunny, 85°F, breezy

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Peter Kho	U.S. EPA	(215) 597-8541

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
(b) [redacted]	NUS	FIT 3	(215) 687-9510	8/25/87

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☒ C. SLUDGE
- ☐ D. OTHER (Specify)
- ☐ E. SLURRY
- ☒ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS: _____
CUBIC YARDS: _____
NO. OF DRUMS: >5,000

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☒ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☒ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	>5,000	55-gallon drums	Approximately 5,000 drums were
PSD	PESTICIDES			emptied and wastes were burned on
OCC	OTHER ORGANIC CHEMICALS			site during a six-year period.
IOC	INORGANIC CHEMICALS			Approximately 25 drums per week.
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	lead	7439-92-1	landfill	72,100	ppm
MES	antimony	7440-36-0	landfill	15,500	ppm
MES	cadmium	7440-43-9	landfill	12.8	ppm
MES	chromium	7440-47-3	landfill	11,200	ppm
IOC	cyanide	57-12-5	landfill	216	ppm
SOL	1,1-dichloroethane	75-35-3	surface water	64	ppb
SOL	1,1,1-trichloroethane	71-55-6	landfill	360	ppb
SOL	xyleneos	1330-20-7	landfill	150	ppb
OCC	4-methylphenol	106-44-5	surface water	2,000	ppb
OCC	di-n-butyl phthalate	84-74-2	landfill	130,000	ppb
OCC	butylbenzyl phthalate	85-68-7	surface water	1,100	ppb
OCC	bis(2-ethylhexyl) phthalate	117-81-7	landfill	190,000	ppb
OCC	pentachlorophenol	87-86-5	landfill	4,400	ppb
PSD	heptachlor epoxide	1024-57-3	landfill	23	ppb
PSD	4,4 DDD	72-54-8	landfill	18	ppb

IV. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N/A		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 sample results, July 29, 1987.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

ORIGINAL (Red)

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS _____
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OCC	Aroclor 1254	11097-69-1	landfill	760	ppb

IV. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 sample results, July 29, 1987.

ORIGINAL (Red)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: PA	02 SITE NUMBER: 529

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: 7/29/87) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 47,350 — 04 NARRATIVE DESCRIPTION

Slightly elevated lead levels were found in home wells, an on-site well, and an emergency municipal supply well. All local residents rely on private home wells or water systems with well sources or source interconnections.

01 ☒ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: 7/29/87) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 26,473 — 04 NARRATIVE DESCRIPTION

Elevated lead levels were found in Black Creek sediments, along with elevated levels of PAHs (polyaromatic hydrocarbons).

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

None reported or observed.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

None reported or observed.

01 ☒ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE:) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 525 — 04 NARRATIVE DESCRIPTION

There is a slight direct contact threat to plant employees exposed to elevated lead and chromium levels in on-site soils. The facility is fenced and guarded, with little chance of soil contact by other persons.

01 ☒ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: 7/29/87) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: approximately 12 (Acres) — 04 NARRATIVE DESCRIPTION

On-site soils were found to be contaminated in the burn pit areas by high levels of lead, chromium, and antimony. Additionally, elevated levels of arsenic, cadmium, cyanide, 1,1,1-TCEA, di-n-butyl phthalate, and Aroclor 1254 were found in on-site soils.

01 ☒ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: 7/29/87) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 47,350 — 04 NARRATIVE DESCRIPTION

Slightly elevated lead levels were found in an on-site well, private home wells, and an emergency municipal well supply. All local residents rely on private wells or municipal sources with well supply or well supply interconnections.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

None reported or observed.

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

None reported or observed.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

None reported or observed.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION (Include name(s) of species)

None reported or observed.

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

None reported or observed.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 47,350 — 04 NARRATIVE DESCRIPTION

Potential migration of wastes via surface water and groundwater routes. Soil contamination remains from solvent burn pit operation on site.

01 ☐ N. DAMAGE TO OFF-SITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

None reported or observed.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☒ OBSERVED (DATE: 7/29/87) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Slightly elevated levels of PAHs and lead were found in soils near a stormdrain opening near the burn pit area.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

None reported or observed.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: 47,350

IV. COMMENTS

There is the potential for contaminants to migrate off site via surface and groundwater routes. Residue from the burn pit operation remained in on-site soils after the company intiated removal of visually contaminated soils in early 1970's.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 non-sampling site reconnaissance, September 10, 1985.
NUS FIT 3 site inspection, July 27, 1987.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☒ D. RCRA	PAD043875434			hazardous waste generator
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☒ A. SURFACE IMPOUNDMENT	>5,000	55 gal. drum
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☒ I. OTHER burning pits (Specify)		

04 TREATMENT (Check all that apply)
- ☐ A. INCINERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER _____ (Specify)

05 OTHER
- ☒ A. BUILDINGS ON SITE: 1

06 AREA OF SITE
- 1/2 (Acres)

07 COMMENTS

The St. Regis/Princeton Packaging Facility operated two burn pits to dispose of waste inks and solvents. From 1966 to 1972 up to 25 drums per week were disposed in this manner. Visually contaminated soils were excavated and removed by St. Regis in approximately 1972 and taken to Sugarloaf Landfill.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Approximately 5,000 drums of ink waste and solvent were dumped and burned in two unlined 6 x 7 x 1.5 foot pits. Pits were partially excavated and removed in 1972. A thin layer of dirt fill was placed partially over the site.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

The site is fenced and guarded. The solvent burn area is covered by a layer of dirt fill.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 non-sampling site reconnaissance, September 10, 1985.
NUS FIT 3 site inspection, July 29, 1987.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

ORIGINAL (Red)

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	SURFACE	WELL	02 STATUS ENDANGERED	AFFECTED	MONITORED
COMMUNITY	A. ☒	B. ☒	A. ☒	B. ☐	C. ☐
NON-COMMUNITY	C. ☐	D. ☒	D. ☒	E. ☐	F. ☐

03 DISTANCE TO SITE
A. <1/4 (mi)
B. on site (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☒ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSABLE

02 POPULATION SERVED BY GROUNDWATER 26,473

03 DISTANCE TO NEAREST DRINKING WATER WELL on site (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
8 to 50 (ft)	west	8 to 50 (ft)	216,000 (gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

The nearest well is located 1,900 feet north of the site and is 120 feet deep.

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS: recharge through precipitation.	☒ YES ☐ NO	COMMENTS: Discharge occurs as base flow to local streams.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☐ A. RESERVOIR, RECREATION, DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☒ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Black Creek	☐	2,000 feet (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 635 NO. OF PERSONS	B. 8,482 NO. OF PERSONS	C. 26,473 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION
1/4 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
approximately 2,300	500 feet (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

There are no residents within 1/4 mile of the site, which is located in a large industrial park.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

ORIGINAL (Red)

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one) $10^{-3} - 10^{-5}$

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☒ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☒ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
unknown, but expected to be shallow (ft)	unknown (ft)	unknown	

06 NET PRECIPITATION	07 ONE-YEAR 24-HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
4.59 (in)	3.8 (in)	<5 %	NE	15 %

09 FLOOD POTENTIAL

SITE IS IN N/A YEAR FLOODPLAIN

10

N/A ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5-acre minimum)

ESTUARINE	OTHER
A. N/A (mi)	B. N/A (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

N/A (mi)

ENDANGERED SPECIES:

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. Located in industrial park (mi)	B. <1/2 (mi)	C. N/A (mi)	D. 3 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site is located in a gently rolling area that has been partially filled by strip mine tailings. The areas surrounding the site are low mountains, some of which have been strip mined for coal.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 site inspection, July 29, 1987.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	5	organics: Versar	9/1/87
SURFACE WATER	2		
WASTE		Inorganics: Chemtech	
AIR			
RUNOFF sediment	2		
SPILL			
SOIL	8		
VEGETATION			
OTHER blanks	2		

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
HNU	Background 0.2 ppm.
	100 ppm found in auger at 1 1/2 feet near drum
	storage pond on site- probable location of burn pit.
	set at 1X position; no readings above background.

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF NUS FIT 3
(Name of organization or individual)

03 MAPS
☒ YES
☐ NO

04 LOCATION OF MAPS
NUS FIT 3 F3-8706-27 and EPA

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Weather conditions: sunny, breezy, 85°F.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 site inspection, July 29, 1987.

ORIGINAL (Red)

EPA — **POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 7 - OWNER INFORMATION**

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
PA	529

II. CURRENT OWNER(S) / PARENT COMPANY (if applicable)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Princeton Packaging Inc.		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**11 SIC CODE**
Joycee Drive-Valmont Industrial Park			
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	
West Hazleton / PA / 18201			
01 NAME	**02 D+B NUMBER**	**08 NAME**	**09 D+B NUMBER**
N/A		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**11 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	
01 NAME	**02 D+B NUMBER**	**08 NAME**	**09 D+B NUMBER**
N/A		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**11 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	
01 NAME	**02 D+B NUMBER**	**08 NAME**	**09 D+B NUMBER**
N/A		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**11 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	

III. PREVIOUS OWNER(S) (list most recent first) / IV. REALTY OWNER(S) (if applicable, list most recent first)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Princeton Packaging Division of St. Regis Paper Co.		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**04 SIC CODE**
Jaycee Drive-Valmont Industrial Park			
05 CITY / 06 STATE / 07 ZIP CODE		**05 CITY / 06 STATE / 07 ZIP CODE**	
West Hazleton / PA / 18201			
01 NAME	**02 D+B NUMBER**	**01 NAME**	**02 D+B NUMBER**
Highway Trailer		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**04 SIC CODE**
Jaycee Drive-Valmont Industrial Park			
05 CITY / 06 STATE / 07 ZIP CODE		**05 CITY / 06 STATE / 07 ZIP CODE**	
West Hazleton / PA / 18201			
01 NAME	**02 D+B NUMBER**	**01 NAME**	**02 D+B NUMBER**
N/A		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**04 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**05 CITY / 06 STATE / 07 ZIP CODE**	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 site inspection, July 29, 1987.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

ORIGINAL

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D + B NUMBER
Princeton Packaging Inc.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Jaycee Drive-Valmont Industrial Park	

05 CITY	06 STATE	07 ZIP CODE
West Hazleton	PA	18201

08 YEARS OF OPERATION	09 NAME OF OWNER
1984 to present	Princeton Packaging Inc.

OPERATOR'S PARENT COMPANY (if applicable)

10 NAME	11 D + B NUMBER
N/A	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D + B NUMBER
Princeton Flexible Packaging Division of St. Regis Paper	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Jaycee Drive-Valmont Industrial Park	

05 CITY	06 STATE	07 ZIP CODE
West Hazleton	PA	18201

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1966 to 1972	St. Regis Paper Co.

PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)

10 NAME	11 D + B NUMBER
Champion International/St. Regis Paper Co.	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
1 Champion Plaza	

14 CITY	15 STATE	16 ZIP CODE
Stanford	CT	06921

01 NAME	02 D + B NUMBER
Highway Trailer	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Highway Trailer	

05 CITY	06 STATE	07 ZIP CODE
West Hazleton	PA	18201

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THS PERIOD
unknown to 1966	Highway Trailer

10 NAME	11 D + B NUMBER
N/A	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D + B NUMBER
N/A	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D + B NUMBER
N/A	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 site inspection, July 29, 1987.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	529

II. ON-SITE GENERATOR

01 NAME	02 D + B NUMBER
Princeton Packaging Inc.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Jaycee Drive-Valmont Industrial Park	

05 CITY	06 STATE	07 ZIP CODE
West Hazleton	PA	18201

III. OFF-SITE GENERATOR(S)

01 NAME	02 D + B NUMBER	01 NAME	02 D + B NUMBER
N/A		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D + B NUMBER	01 NAME	02 D + B NUMBER
N/A		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D + B NUMBER	01 NAME	02 D + B NUMBER
N/A		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D + B NUMBER	01 NAME	02 D + B NUMBER
N/A		N/A	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE: PA	02 SITE NUMBER: 529

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☒ E. CONTAMINATED SOIL REMOVED — 02 DATE 1972 — 03 AGENCY _____
04 DESCRIPTION
Visually contaminated soil was removed in 1972 to Sugarloaf Landfill by St. Regis Paper Co.

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☒ G. WASTE DISPOSED ELSEWHERE — 02 DATE 1972 — 03 AGENCY _____
04 DESCRIPTION
Visually contaminated soil was removed to Sugarloaf Landfill, in Hazleton, PA, in 1972.

01 ☐ H. ON-SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE: PA	02 SITE NUMBER: 529

II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☒ S. CAPPING/COVERING — 02 DATE 1972 — 03 AGENCY _____
04 DESCRIPTION

Soil was excavated in 1972 by St. Regis Paper. The area was covered by several feet of locally obtained fill material.

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

N/A

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 site inspection, July 29, 1987.
NUS FIT 3 non-sampling site reconnaissance, September 10, 1985.

ORIGINAL (Red)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE: PA	02 SITE NUMBER: 529

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

None

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT 3 site inspection, July 29, 1987.

PFE

PFE

ORIGINAL (Red)

TENTATIVE DISPOSITION

PA NUMBER: PA529

SITE NAME	STREET ADDRESS
St. Regis Paper Co	Jaycee Dr.

CITY	STATE	ZIP	COUNTY
West Hazleton	PA	18201	Luzerne

SUMMARY:

Low level contamination of Lead and trace levels of 1,1,1-TCEA were found in wells.

RECOMMENDED ACTION:

[ ] Further Investigative Action Needed

___ Site Reconnaissance

___ Screening Site Investigation

___ Listing Site Investigation

___ HPS

___ Other (specify)_____

[X] No Further Action Needed at This Time Due to

___ No evidence of hazardous waste

___ Will be addressed by other program or agency (explain in "Comments")

___ HRS score would be below cutoff value (explain in "Comments")

___ HRS score would be above cutoff value but no further action recommended (explain in "Comments")

___ Other (specify) _____

_____

COMMENTS:

Due to a lack of an observed release, HRS score would be below the cut off value. Lead contamination in wells do not meet the HRS qualifications for an observed release. (One well less contaminated than one HRS)

Preparer's Name	Phone	Date
LA Segur	(215) 597-8333	9/4/91
Concurrence		Date